

**NAME**

**rwmtx\_init** - initialize a read/write lock

**SYNOPSIS**

library "threads"

**#include** <threadse.h>

*int*

**rwmtx\_init**(*rwmtx\_t* \**rw*, *int* *type*);

**DESCRIPTION**

The function **rwmtx\_init**() initializes a read/write lock *rw* of the given *type*.

The *type* argument can be either of

*rwmtx\_private*

the read/write lock is not shared among child processes.

*rwmtx\_shared*

the read/write lock is shared among child processes.

**RETURN VALUES**

Upon success **rwmtx\_init**() returns *thrd\_success*, otherwise *thrd\_error* will be returned.

**SEE ALSO**

**rwmtx\_destroy**(3) **rwmtx\_rdlock**(3) **rwmtx\_wrlock**(3) **rwmtx\_tryrdlock**(3) **rwmtx\_trywrlock**(3)  
**rwmtx\_timedrdlock**(3) **rwmtx\_timedwrlock**(3) **rwmtx\_unlock**(3)

**HISTORY**

The **rwmtx\_init**() function first appeared in the Adelsbach Enhanced Threading Library.

**AUTHORS**

Jan Adelsbach <jan@jadelsbach.de>